



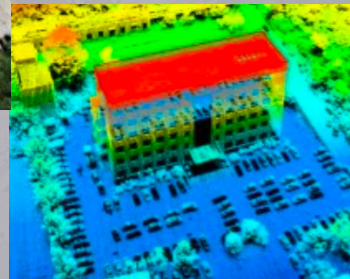
**Nano M8** is a mini LiDAR system specially designed to meet the market needs for smaller size UAV aircrafts.

The **Nano M8** consists of the Quanergy® M8 scanner, a 20mp RGB calibrated camera, a suitable POS system and a LidarSwiss proprietary control unit.

This 2.0kg LiDAR system is a perfect tool for low altitude small area and corridor mapping. Easy to install and operate features ensure the **Nano M8** will generate desirable results with minimal training. Coupled with LidarSwiss Geo-LAS software to process the acquired data, measurable terrain models can be derived in a very short time.

## Features:

- 8 laser heads with 360° FOV
  - MEMS IMU
  - Rugged system controller
  - Autonomous operation
  - 20mp RGB calibrated camera
  - One button startup
  - 3 returns with intensity
  - Fits in small size Pelican® case
  - Installation in minutes
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- Area and corridor 3D data acquisition
  - Terrain modeling for precise farming
  - Historical site mapping
  - Other corridor mapping
  - Rapid and accurate distance measuring
  - Stockpiles and volumetric calculations



## Typical Applications:

- Power line inspection/danger tree analysis
- Riverbank and coastal line mapping
- Water resource monitoring
- Quick response mudslide analysis
- Disaster management
- Other 3D data applications

## Item:

- Laser class
- Wave length
- Laser beam divergence angle
- Scanning range
- Scanning angle
- Pulse rate
- Point density
- Scanning mechanism
- Scanning rate
- Pitch/Roll accuracy
- Heading accuracy
- Recording media
- Storage capacity
- Single scanning swath
- Image dimension
- Effective operating range
- Voltage
- Power consumption
- Dimensions (LxWxH)
- Weight
- Working temperature
- Storage temperature

## Specification:

- Class 1, eye safe
- Near infrared
- Vert = 0.6 Horz = 4.2
- 200m (80% reflectivity)
- User selectable to 360°
- 400kHz
- Up to 100+pts/m<sup>2</sup>
- Rotating laser head
- 5, 10 or 20Hz
- 0.025°
- 0.08°
- Win 10 system controller
- 128GB
- Up to 200m
- 20mp
- 100m
- 24V
- 40W (max.)
- 218mm x 154mm x 119mm
- 2.0kg
- 0°C to 40°C
- 20°C to 60°C

